

Power Cost Memorandum Fuel Cost Change and Surcharge Change

Date: **November 18, 2021**

Utility Name (Cert. No.) Nome Joint Utility System (150)	Utility File No. PC33-0518G	Date Filed: November 9, 2021
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PCE AMOUNT SUMMARY	Previously Approved PC33-0518F	Staff Recommended Amount(s) and Effective Date PC33-0518G
Class Rate	<u>Date Approved:</u> July 1, 2021	November 19, 2021
Single-Phase Service Within City Limits	\$0.0799	\$0.0975
Single-Phase Service Outside City Limits	\$0.0799	\$0.0975
Three-Phase Service Within City Limits	\$0.0799	\$0.0975
Three-Phase Service Outside City Limits	\$0.0799	\$0.0975
Interruptible	\$0.0799	\$0.0975
Community Facilities		
Single-Phase Service Within City Limits	\$0.0799	\$0.0975
Single-Phase Service Outside City Limits	\$0.0799	\$0.0975
Three-Phase Service Within City Limits	\$0.0799	\$0.0975
Three-Phase Service Outside City Limits	\$0.0799	\$0.0975
Interruptible	\$0.0799	\$0.0975
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price (gal): \$ 1.8923	New Fuel Purchase Price (gal): \$ 2.1818
Prior Purchased Power Price (kWh): \$ -	New Purchased Power Price (kWh): \$ -
Delivery Charge: <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted _____	Surcharge : <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted _____ 0.1192 Updated 0.1599

Signed: *Brenda Cox*
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 11/18/21)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<i>RMP</i>		
Kurber		<i>KKI</i>		
Scott		<i>AGS</i> AGS		
Sullivan		<i>DS</i> DS		
Wilson		<i>Juw</i> Juw		

*If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the by Direction Letter or Order.

NOME JOINT UTILITY SYSTEM

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR TEST YEAR ENDING: December 31, 2017
Fuel Cost Update and Surcharge Change

	PC33-0518F	PC33-0518G	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated	31,865,910	31,865,910	31,865,910
B. Total KWH Sold (Appendix 2)	29,010,500	29,010,500	29,010,500
C. Total Non-Fuel Costs (Appendix 2)	4,719,338	4,719,338	4,719,338
D. Non-Fuel Cost/KWH (C / B)	\$0.1627	\$0.1627	\$0.1627
E. Total Fuel Costs and Purchased Power (Appendix 2)	3,529,275	4,069,315	4,069,315
F. Fuel and Purchased Power Costs/KWH (E/B)	\$0.1217	\$0.1403	\$0.1403
G. Eligible Costs/KWH (D + F)	\$0.2844	\$0.3029	\$0.3029
H. Eligible Cost/KWH (G) less base rate in effect	\$0.0841	\$0.1026	\$0.1026
I. Lesser of (H) or 79.97 cents/kWh	\$0.0841	\$0.1026	\$0.1026
J. Average Class Rates (Appendix 3)			
Single-Phase Service Within City Limits	\$0.1564	\$0.1971	\$0.1971
Single-Phase Service Outside City Limits	\$0.1764	\$0.2171	\$0.2171
Three-Phase Service Within City Limits	\$0.1939	\$0.2346	\$0.2346
Three-Phase Service Outside City Limits	\$0.2139	\$0.2546	\$0.2546
Interruptible	\$0.2739	\$0.3146	\$0.3146
Community Facilities			
Single-Phase Service Within City Limits	\$0.1564	\$0.1971	\$0.1971
Single-Phase Service Outside City Limits	\$0.1764	\$0.2171	\$0.2171
Three-Phase Service Within City Limits	\$0.1939	\$0.2346	\$0.2346
Three-Phase Service Outside City Limits	\$0.2139	\$0.2546	\$0.2546
Interruptible	\$0.2739	\$0.3146	\$0.3146
Class Power Cost Equalization Per kWh Payable			
Lesser of:(1) (I) x 95%, or (J)			
K. Single-Phase Service Within City Limits	\$0.0799	\$0.0975	\$0.0975
Single-Phase Service Outside City Limits	\$0.0799	\$0.0975	\$0.0975
Three-Phase Service Within City Limits	\$0.0799	\$0.0975	\$0.0975
Three-Phase Service Outside City Limits	\$0.0799	\$0.0975	\$0.0975
Interruptible	\$0.0799	\$0.0975	\$0.0975
Community Facilities			
Single-Phase Service Within City Limits	\$0.0799	\$0.0975	\$0.0975
Single-Phase Service Outside City Limits	\$0.0799	\$0.0975	\$0.0975
Three-Phase Service Within City Limits	\$0.0799	\$0.0975	\$0.0975
Three-Phase Service Outside City Limits	\$0.0799	\$0.0975	\$0.0975
Interruptible	\$0.0799	\$0.0975	\$0.0975
Funding Level in Effect	100%	100%	100%
L. Single-Phase Service Within City Limits	\$0.0799	\$0.0975	\$0.0975
Single-Phase Service Outside City Limits	\$0.0799	\$0.0975	\$0.0975
Three-Phase Service Within City Limits	\$0.0799	\$0.0975	\$0.0975
Three-Phase Service Outside City Limits	\$0.0799	\$0.0975	\$0.0975
Interruptible	\$0.0799	\$0.0975	\$0.0975
Community Facilities			
Single-Phase Service Within City Limits	\$0.0799	\$0.0975	\$0.0975
Single-Phase Service Outside City Limits	\$0.0799	\$0.0975	\$0.0975
Three-Phase Service Within City Limits	\$0.0799	\$0.0975	\$0.0975
Three-Phase Service Outside City Limits	\$0.0799	\$0.0975	\$0.0975
Interruptible	\$0.0799	\$0.0975	\$0.0975

PC33-0518G
Appendix 1

NOME JOINT UTILITY SYSTEMS

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES AND EFFICIENCY
FOR TEST YEAR ENDING: December 31, 2017
Fuel Cost Update and Surcharge Change

		PC33-0518F	PC33-0518G	
		Prior Commission Approval	Per Utility	Per Staff
Non-Fuel Costs:				
A.	Generation Expense	2,301,511	2,301,511	2,301,511
B.	Distribution Expense	798,224	798,224	798,224
C.	Consumer Expense	147,023	147,023	147,023
D.	General and Administrative	564,156	564,156	564,156
E.	Depreciation	767,782	767,782	767,782
F.	Interest Expense	201,900	201,900	201,900
G.	Other Expenses/Revenue	(61,258)	(61,258)	(61,258)
H.	Total Non-Fuel Costs	\$4,719,338	\$4,719,338	\$4,719,338
Fuel Costs:				
I.	Gallons Consumed for Electric Generation	1,865,104	1,865,104	1,865,104
J.	Price of Fuel: Last Receipt Date Purchased	\$1.8923	\$2.1818	\$2.1818
	09/30/2021			
K.	Total Fuel Costs(I X J)	\$3,529,275	\$4,069,315	\$4,069,315
L.	kWh Purchased in test year	0	0	0
M.	Purchased Power Cost per kWh	0.0000	0.0000	0.0000
N.	Total Purchased Power Cost	\$0	\$0	\$0
O.	Total Cost of Fuel and Purchase Power	\$3,529,275	\$4,069,315	\$4,069,315
P.	Total KWH Generated	31,865,910	31,865,910	31,865,910
	kWh Generated Diesel	29,914,537	29,914,537	29,914,537
	kWh Purchased	0	0	0
	kWh Hydro/Wind	1,951,373	1,951,373	1,951,373
Q.	KWH Sales	29,010,500	29,010,500	29,010,500
R.	KWH Station Service	1,392,468	1,392,468	1,392,468
S.	Efficiency (P / I)	16.04	16.04	16.04
	Standard	13.50		
T.	Line Loss	4.59%	4.59%	4.59%
	(kWh Generated -(kWh Sold + kWh Station Service)/ kWh Generated			

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Appendix 2

Calculation of Average Class Rate per kWh

Within City Limits				Surcharge:		0.1599
Rate Schedule: A Single Phase Service				Customer Charge (CC):		\$20.00
(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+ CC	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - Base 0.2003
500	0.1975	0.1599	0.3574	198.70		
TOTAL	500			198.70	0.3974	0.1971
	(A)			(E)		

Outside City Limits				Surcharge:		0.1599
Rate Schedule: B Single Phase Service				Customer Charge (CC):		\$20.00
(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+ CC	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - Base 0.2003
500	0.2175	0.1599	0.3774	208.70		
TOTAL	500			208.70	0.4174	0.2171
	(A)			(E)		

Inside City Limits				Surcharge:		0.1599
Rate Schedule: B Three Phase Service				Customer Charge (CC):		\$60.00
(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+CC	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - Base 0.2003
500	0.1550	0.1599	0.3149	217.45		
TOTAL	500			217.45	0.4349	0.2346
	(A)			(E)		

Outside City Limits				Surcharge:		0.1599
Rate Schedule: B Three Phase Service				Customer Charge (CC):		\$60.00
(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+CC	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - Base 0.2003
500	0.1750	0.1599	0.3349	227.45		
TOTAL	500			227.45	0.4549	0.2546
	(A)			(E)		

Interruptible				Surcharge:		0.1599
Rate Schedule: C				Customer Charge (CC):		\$100.00
(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+CC	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - Base 0.2003
500	0.1550	0.1599	0.3149	257.45		
TOTAL	500			257.45	0.5149	0.3146
	(A)			(E)		

Computation of Community Facilities Average Rate

Rate Schedule: A Single Phase		Customer Charge (CC): \$20.00		
	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)+CC	(7) Avg. Rate (\$/kWh) - Base 0.2003
Within City Limits	0.1975	0.1599	0.3974	0.1971
Without City Limits	0.2175	0.1599	0.4174	0.2171

Rate Schedule: B Three Phase Service		Customer Charge (CC): \$60.00		
	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)+CC	(7) Avg. Rate (\$/kWh) - Base 0.2003
Within City Limits	0.1550	0.1599	0.4349	0.2346
Outside City Limits	0.1750	0.1599	0.4549	0.2546
Next to				
Next to				
Next to				

Rate Schedule: C Interruptible		Customer Charge (CC): \$100.00		
	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B) + CC	(7) Avg. Rate (\$/kWh) - Base 0.2003
0 to ∞	0.1550	0.1599	0.5149	0.3146
Next to				
Next to				
Next to				
Next to				

**Nome Joint Utility System
PC33-0518G**

	Invoice Number	Delivery Date	Gallons	Cost per Gallon	Wharfage per Gallon	Total Cost
Beginning Fuel Inventory			1,053,499			
Last Approved Fuel Cost/Gal.				\$ 1.8923		
Beginning Fuel Inventory in Gallons	X	Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --->				\$ 1,993,501
Reporting Period Purchases	3655-21RB	10/01/21	347,072	2.2419		778,101
	3655-21RB	10/01/21	1,600,000	2.3050		3,688,000
	220637	10/20/21	Port of Nome Wharfage costs			77,883
		09/23/21	Professional Services			4,161
		09/16/21	Alaska Airlines			50
		09/23/21	Kutak Rock LLP			5,000
Totals for Reporting Period Purchases on this sheet:			1,947,072			4,553,195
Grand Totals (beginning inventory plus purchases)	A		3,000,571		B	\$ 6,546,696

Grand Total Cost (B) divided by Grand Total Gallons (A) = 2.1818 Cost per gallon
Total Purchases Cost divided by Total Purchase Gallons = 2.3385 Cost per gallon

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